SHEET NO. TOTAL SHEETS

:\250470\DGN\250470GN0|.dgn

PIPE CULVERT MATERIAL ALTERNATES FOR PIEDMONT/BLUE RIDGE REGION											
TYPE OF PIPE INSTALLATION			E DIDE	C O N C R E T E	CORRUGATED STEEL AASHTO M-36		CORRU- GATED ALUMINUM AASHTO M-196	PLAST/C			
					ALUMINUM COATED (TYPE 2) CORR.STEEL	PLAIN ZINC COATED	PLAIN UNCOATED ALUMINUM	CORR.POLY- ETHYLENE AASHTO M-252	CORR.POLY- ETHYLENE SMOOTHED UNED AASHTO M-294 TYPE "S"	POLY VINYL CHLORIDE (PVC) PROFILE WALL AASHTO M-304	POLY VINYL CHLORIDE (PVC) CORRUGATED SMOOTH INTERIOR ASTM F-949
	LONGITUDINAL INTERSTATE AND TRAVEL BEARING			X							
S	TDM/FI DEADING			X	X		X		X	X	X
O R M D R A I N	C R O S S D R A I N	GRADE ≤ IO%	ADT < 250	X	X	X	X		X	X	X
			250 < ADT < 1500	X	X *		X		X	X	X
			1500 < ADT < 15000	X					X	X	X
			ADT > 15000	X							
		GRADE > 10%	ADT < 250		X	X	X		X	X	X
			ADT > 250				X		X	X	X
SIDE DRAIN				X	X	X	X		X	X	X
F	PERM	MANENT .	SLOPE DRAIN		X	X	X		X	X	X
F	PERI	FORATED	UNDERDRAIN		X	X	X	X	X		X

\\gdot-dsn|\gocfg\resources\Gdot-20|2.tb|

* THIS TYPE PIPE CAN BE USED IF THE ADDITION OF TYPE "B" COATING (AASHTO M-190, HALF BITUMINOUS COATED WITH PAVED INVERT) IS UTILIZED

I. ALLOWABLE MATERIALS ARE INDICATED BY AN "X".

8/2/POI3 I:58:01 PM \\GD0I-DSNI\G0PL0I\QCF\0GC.gcf flannon M:\2504/0\DGN\UPDAIED PRFs\2504/0GN0I-02.prf

Fri Aug 02 13:58:01 2013

ri Aug 02 |3:58:0| 20|3

†lannon

- 2. STRUCTURAL REQUIREMENTS OF STORM DRAIN PIPE WILL BE IN ACCORDANCE WITH GEORGIA STANDARD 1030-D OR 1030-P, WHICHEVER IS APPLICABLE, AND THE STANDARD SPECIFICATIONS.
- 3. GRADED AGGREGATE BACKFILL SHALL BE USED IN CROSS DRAIN APPLICATIONS FOR ALL PLASTIC PIPES (AASHTO M-294, HDPE PIPE; AASHTO M-304, PVC PIPE; ASTM F-949, PVC PIPE).

8' MAX. STEP 3-STEP 2-STEP I BENCHING DETAIL 8' MAX. 8' MAX. NO SCALE

NOTES:

COUNTY

I. WHERE THE EMBANKMENT IS TO PLACED ON A HILLSIDE OR ANOTHER EXISTING EMBANKMENT HAVING A SLOPE 3 TO 1 OR STEEPER, THE FOUNDATION MUST BE BENCHED, WHILE THE EMBANKMENTIS BEING MADE. (SEE DIAGRAM AT LEFT)

Project Number

STP00-7063-00(001) 7

1577

- 2. THE DIAGRAM SHOWS THAT BEFORE LAYER "A" IS PLACED THE FIRST STEP (1) IS CUT INTO THE SLOPE A MAXIMUM DISTANCE OF ABOUT 8 FEET(ABOUT $\frac{3}{4}$ THE WIDTH OF THE TYPICAL D-8 BULLDOZER BLADE). SUCCESSIVE LAYERS B, C AND D ARE THEN PLACED BEFORE LAYER "E" IS PLACED, THE SECOND STEP IS CUT 8 FEET INTO THE SLOPE AND SUCCESSIVE LAYERS ARE AGAIN PLACED, IF IT IS ANTICIPATED THAT THE VERTICAL PART OF THE STEP WILL EXCEED 4 FEET IF AN 8 FOOT
- HORIZONTAL CUT IS MADE, THEN THE ACTUAL CUT STOPS WHEN THE VERTICAL PART REACHES A MAXIMUM OF 4 FEET ALLOWING THE HORIZONTAL DISTANCE TO VARY.
- 3.THE PROCESS OF BENCHING IS CONSIDERED INCIDENTAL TO THE ITEM OF UNCLASSIFIED EXCAVATION AND BORROW OR GRADING COMPLETE IN THE CONSTRUCTION OF THE EMBANKMENT AND NO ADDITIONAL MEASUREMENT OF QUANTITY OR PAYMENT WILL BE MADE FOR BENCHING.

GEORGIA DEPARTMENT OF **TRANSPORTATION**

STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION REVISION DATES OFFICE: ROADWAY DESIGN GENERAL NOTES

P.I. NO. 250470